MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

OCTOBER 1923

J. A. BROWN, DIRECTOR

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OCTOBER 1923

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sunshine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min. on grass		
1	760.6	759.5	759.6	759.9	27.9	20.7		8.5	
2	0.3	60.1	61.0	60.5	27.8	20.6		8.2	
3	1.8	2.1	2.9	2.3	27.6	20.2		7.3	
4	4.0	3.6	4.5	4.0	27.5	20.1		7.4	
5	5.4	1.8	1.8	3.0	27.4	21.3	—	9.3	
6	1.1	2.9	2.5	2.2	27.6	22.5		8.8	
7	2.5	0.8	1.5	1.6	27.9	21.7		8.7	
8	1.2	0.7	1.0	1.0	27.9	21.7		8.0	
9	2.8	2.7	3.2	2.9	26.7	21.8		6.7	
10	3.2	2.5	3.1	2.9	25.5	20.3	—	8.7	
11	3.4	3.1	3.6	3.4	26.0	20.3		8.8	
12	3.5	2.9	2.4	2.9	25.9	19.7		8.3	
13	0.9	59.2	59.2	59.8	28.6	22.3		3.3	
14	0.5	8.0	9.0	9.2	30.1	22.3		5.8	
15	1.8	61.0	61.2	61.3	28.2	24.4	—	8.1	
16	1.6	1.1	1.3	1.3	25.6	21.9		7.5	
17	1.9	1.2	1.4	1.5	26.1	21.5		9.1	
18	1.7	1.0	0.7	1.1	26.0	21.1		9.5	
19	59.9	59.0	0.1	59.7	25.8	20.2		8.4	0.38
20	60.0	9.1	59.4	9.5	25.0	20.8	—	7.7	
21	58.8	9.2	9.4	9.1	25.4	21.9		1.8	
22	9.3	8.8	9.8	9.3	23.2	17.1		6.4	23.87
23	61.6	61.4	62.7	61.9	25.1	17.6		5.1	
24	4.8	4.3	4.9	4.7	24.6	18.9		9.1	
25	4.7	2.9	3.0	3.5	24.2	18.1	—	8.1	
26	2.6	1.1	1.3	1.7	24.2	18.1		9.6	
27	1.9	1.2	1.3	1.4	24.8	18.9		9.2	
28	1.4	59.8	59.6	0.3	26.0	19.6		9.2	
29	58.1	6.6	7.6	57.3	26.7	23.2		6.4	
30	6.5	5.4	5.8	5.9	26.1	22.5		5.3	
31	5.9	5.4	6.2	5.8	24.7	20.1		3.2	
	761.4	760.7	761.0	761.0	26.5	20.7		7.4	24.25

BAROMETER

Maximum	765.4	on 5th
Minimum	755.4	on 30th & 31st

THERMOMETER

Maximum	30.1	on 14th
Minimum	17.1	on 22nd
Minimum on grass		on

RAINFALL

Maximum 23.87 mm. on 22nd

Number of days with rain 2 thunderstorms 0 fog 0 gale 1

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Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	25.2	27.7	23.2	25.4	20.8	22.4	20.0	15.1	16.2	15.0	15.4	64	58	71	64
2	25.8	27.7	23.4	25.6	21.1	21.8	19.9	15.2	15.1	14.8	15.0	61	55	70	62
3	24.9	26.7	24.0	25.2	19.8	21.6	20.9	13.8	15.7	16.2	15.2	60	59	72	64
4	25.1	26.4	24.5	25.3	21.5	21.9	21.1	16.5	16.2	16.1	16.3	70	63	71	68
5	25.3	26.9	25.5	25.9	21.5	21.8	21.5	16.2	15.6	16.1	16.0	68	58	66	64
6	26.3	26.4	23.4	25.4	19.6	22.4	21.1	12.7	17.0	16.8	15.5	50	65	78	65
7	25.6	27.8	23.9	25.8	21.7	22.3	20.8	16.3	15.9	16.0	16.1	67	57	72	65
8	25.9	27.3	24.1	25.8	23.0	22.3	20.8	18.6	16.3	15.8	16.9	75	60	71	69
9	24.2	26.1	24.4	24.9	19.2	19.1	20.2	13.8	12.1	14.6	13.5	58	48	64	57
10	24.3	25.9	22.6	24.3	19.3	19.9	18.9	13.0	13.4	13.7	13.4	56	54	67	59
11	23.6	25.7	25.4	24.9	18.8	19.7	18.5	15.5	13.1	16.3	15.0	60	53	49	54
12	23.7	25.8	24.8	24.8	19.4	20.8	21.9	13.9	14.8	17.5	15.4	64	60	75	65
13	25.3	27.3	25.7	26.1	21.2	23.6	21.9	15.6	18.7	16.1	16.8	65	70	61	65
14	27.3	27.8	26.5	27.2	23.6	23.9	24.0	18.7	18.8	20.0	19.2	70	68	77	72
15	25.4	26.7	24.4	25.8	23.2	23.4	22.6	18.6	18.7	18.8	18.7	72	71	82	75
16	25.1	25.8	23.7	24.9	20.8	21.2	20.7	15.2	15.4	15.9	15.5	64	62	73	66
17	24.6	25.6	24.0	24.7	20.9	21.3	21.2	15.6	15.8	16.5	16.0	68	65	74	69
18	24.1	25.4	21.5	23.7	21.0	20.5	19.4	16.5	14.5	15.3	15.4	76	61	79	72
19	23.6	25.6	22.8	24.0	20.4	21.0	19.4	15.6	15.2	14.4	15.1	72	62	70	68
20	20.9	25.5	24.4	24.6	19.6	19.9	20.2	14.0	13.7	14.6	13.1	63	56	65	61
21	25.2	22.7	22.5	23.5	20.6	18.8	18.3	14.8	13.6	12.8	13.7	62	67	63	64
22	18.4	22.7	19.9	20.3	17.4	17.6	16.6	14.1	11.8	11.9	12.6	89	58	68	72
23	21.3	24.3	21.8	22.5	14.4	17.0	17.1	8.7	10.4	11.6	10.2	46	46	60	51
24	21.9	24.0	20.9	22.3	18.0	18.4	17.2	12.7	12.4	12.3	12.5	65	55	65	62
25	22.0	23.4	22.1	22.5	16.8	18.5	18.1	11.1	12.7	12.8	12.3	56	59	64	60
26	22.1	23.8	22.8	22.9	16.4	18.4	19.1	10.6	12.4	13.8	12.3	54	56	67	59
27	22.7	24.1	21.2	22.6	16.9	19.2	18.4	10.9	13.4	13.9	12.7	52	59	74	62
28	23.7	25.7	25.0	24.8	18.9	18.5	18.4	13.1	11.6	11.7	12.1	60	47	50	52
29	26.8	26.4	24.5	25.9	18.2	20.4	17.7	10.7	13.8	11.0	11.5	40	53	48	47
30	24.3	22.5	22.3	23.0	20.9	18.0	19.5	16.0	12.4	14.8	14.4	71	61	74	69
31	22.3	22.7	19.4	21.5	18.3	18.7	16.7	13.0	13.4	12.4	12.9	69	65	74	68
	24.2	25.6	23.4	24.4	19.8	20.5	19.8	14.4	14.5	14.8	14.5	63	59	68	63

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Height of Rain Guage: above ground 0.56 m.; above sea level 30.31 m.

Gravity Correction −0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	0	0	5n	1.7	3	3	2e	287.1	slight	
2	1	1	0	0.7	2	2	1	284.9	v. slight	
3	0	7cus	1	2.7	2	2	0	188.5	,,	
4	5cus	5s	2s	3.3	0	1w	1nw	182.3	calm	
5	0	0	0	0	2ne	3ne	2ne	307.4	slight	
6	0	0	0	0	1ne	3ne	1ne	473.4	,,	
7	0	2s	0	0.7	1e	1e	0	97.1	calm	
8	1	0	1	0.7	3	2	2	191.7	slight	
9	4sn	1s	1	2.0	2	2	0	165.2	v. slight	
10	0	1	1	0.7	1	1	0	162.7	,,	
11	1	0	0	0.3	1	1n	1n	130.6	calm	
12	0	0	0	0	2ne	3ne	3n	185.6	slight	
13	10	8	2	6.7	2ne	2e	1e	494.1	,,	
14	4cus	7cu ci	3cus	4.7	3ne	1ne	2s	523.0	,,	gale at night
15	2s	5sn	6cus	4.3	2w	1nw	1ne	149.1	v. slight	
16	5cus	8	7cus	6.7	0	1s	0	161.2	calm	
17	0	0	9	3.0	0	2n	0	203.3	,,	
18	2s	0	0	0.7	0	1	0	60.5	,,	lightning in
19	1	2	3	2.0	1	1	0	171.4	v. slight	north
20	1cus	2	8cus	3.7	0	2	3ne	149.9	,,	
21	8cun	10cun	10cun	9.3	2	0	2n	311.1	,,	few drops at
22	3cun	0	0	1.0	2	0	2	202.2	calm	night
23	0	1	2cun	1.0	0	0	2	90.0	,,	
24	0	0	3	1.0	0	1	0	178.3	,,	
25	0	0	0	0	0	3n	3ne	159.3	v. slight	
26	0	0	0	0	1e	2ne	3ne	225.3	,,	
27	0	0	0	0	0	1ne	0	181.3	calm	
28	0	0	0	0	0	3ne	4ne	181.4	rough	
29	6cu ci	4cu ci	10cun	6.7	2n	3n	0	327.3	v. slight	few drops
30	2	9cun	2cun	9.3	1s	3	1w	233.9	calm	few drops
31	7cun	9n	0	5.3	2	1	0	172.3	,,	lightning east
				2.4				220.4		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	1	5	2	0	1	11	1	0	10
2:30	4	7	3	0	1	10	2	1	3
8:30	3	7	2	0	1	4	1	1	12
Totals	8	19	7	0	3	25	4	2	25

N.B.—Cloud numbers without letters are all cu.

Wind ,, ,, ,, ,, ,, sw.